10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-GABAA Receptor α6 Antibody

Our Anti-GABAA Receptor α6 primary antibody from PhosphoSolutions is rabbit polyclonal. It detects m

Catalog # AN1397

Specification

Anti-GABAA Receptor α6 Antibody - Product Information

Primary Accession	P30191
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	51184

Anti-GABAA Receptor α6 Antibody - Additional Information

Gene ID	29708

Other Names

GABA A antibody, GABA A Receptor alphα6 polypeptide antibody, GABA A receptor alphα6 antibody, GABA A receptor subunit alphα6 antibody, GABA subunit A receptor alphα6 antibody, GABA(A) receptor subunit alpha-6 antibody, GABRα6 antibody, GABRA6 antibody, Gamma aminobutyric acid A receptor alphα6 antibody, Gamma aminobutyric acid GABA A receptor alphα6 antibody, Gamma aminobutyric acid receptor subunit alphα6 antibody, Gamma-aminobutyric acid receptor subunit alpha-6 antibody, GBRA6_HUMAN antibody, MGC116903 antibody, MGC116904 antibody

Target/Specificity

Gamma-aminobutyric acid (GABA) is the primary inhibitory neurotransmitter in the central nervous system, causing a hyperpolarization of the membrane through the opening of a Cl− channel associated with the GABA-A receptor (GABA-A-R) subtype. GABA-A-Rs are important therapeutic targets for a range of sedative, anxiolytic, and hypnotic agents and are implicated in several diseases including epilepsy, anxiety, depression, and substance abuse. The GABA-A-R is a multimeric subunit complex. To date six αs, four βs and four γs, plus alternative splicing variants of some of these subunits, have been identified (Olsen and Tobin, 1990; Whiting et al., 1999; Ogris et al., 2004). Injection in oocytes or mammalian cell lines of cRNA coding for α- and β-subunits results in the expression of functional GABA-A-Rs sensitive to GABA. However, coexpression of a γ-subunit is required for benzodiazepine modulation. The various effects of the benzodiazepines in brain may also be mediated via different α- subunits of the receptor (McKernan et al., 2000; Mehta and Ticku, 1998; Ogris et al., 2004; Pöltl et al., 2003).

Format

Antigen Affinity Purified

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Anti-GABAA Receptor α6 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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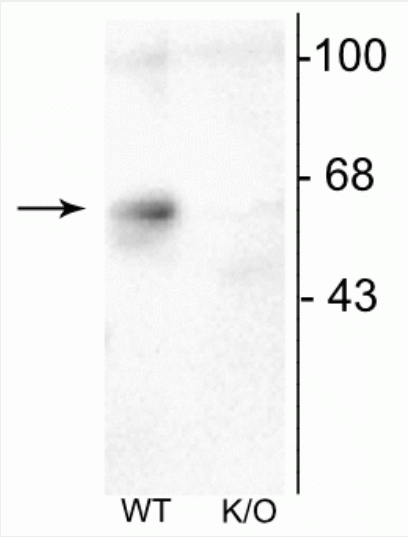
Shipping
Blue Ice

Anti-GABAA Receptor α6 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-GABAA Receptor α6 Antibody - Images



Western blot of mouse forebrain lysates from Wild Type (WT) and α6-knockout (K/O) animals showing specific immunolabeling of the ~57 kDa α6-subunit of the GABAA-R. The labeling was absent from a lysate prepared from α6-knockout animals.

Anti-GABAA Receptor α6 Antibody - Background

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